BIOINFORMATICIAN POSITION

The Proteomics Unit from Universidad Complutense of Madrid seeks for a bioinformatician. The applicant should have a degree in biology (or similar) and knowledge of informatics or present a degree in informatics with knowledge of biology, and be able to work in different proteomic projects of the biomedicine field.

Basic Qualifications

Degree in biology (or similar) or informatics
Knowledge of biostatistics
Experience in bioinformatics
High English level

Additional Qualifications

Practical and theoretical knowledge of proteomics
Experience in proteomic data analysis

Information about the role / Specific responsibilities

1. Mass spectrometry data analysis from shotgun proteomics and its statistical treatment: e.g., protein/peptide filtering; data selection (FDR) for quantification using different programming packages such as “R”.
2. Bioinformatic and statistical analyses from mass spectrometry data obtained using targeted proteomic approaches. For that, knowledge of “skyline” software is important.
3. Proteomic analysis of posttranslational modifications
4. Functional analysis of proteomic data:
   a. Functional classification and gene ontology enrichments
   b. Pathway analysis (Cell Illustrator, Ingenuity Pathway Analysis, KEGG)
   c. Protein-protein interactions networks (Cytoscape, Osprey and String)
6. Workflow development for the Proteomics Unit using new bioinformatic tools available for proteomic data processing.

For more information contact:

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